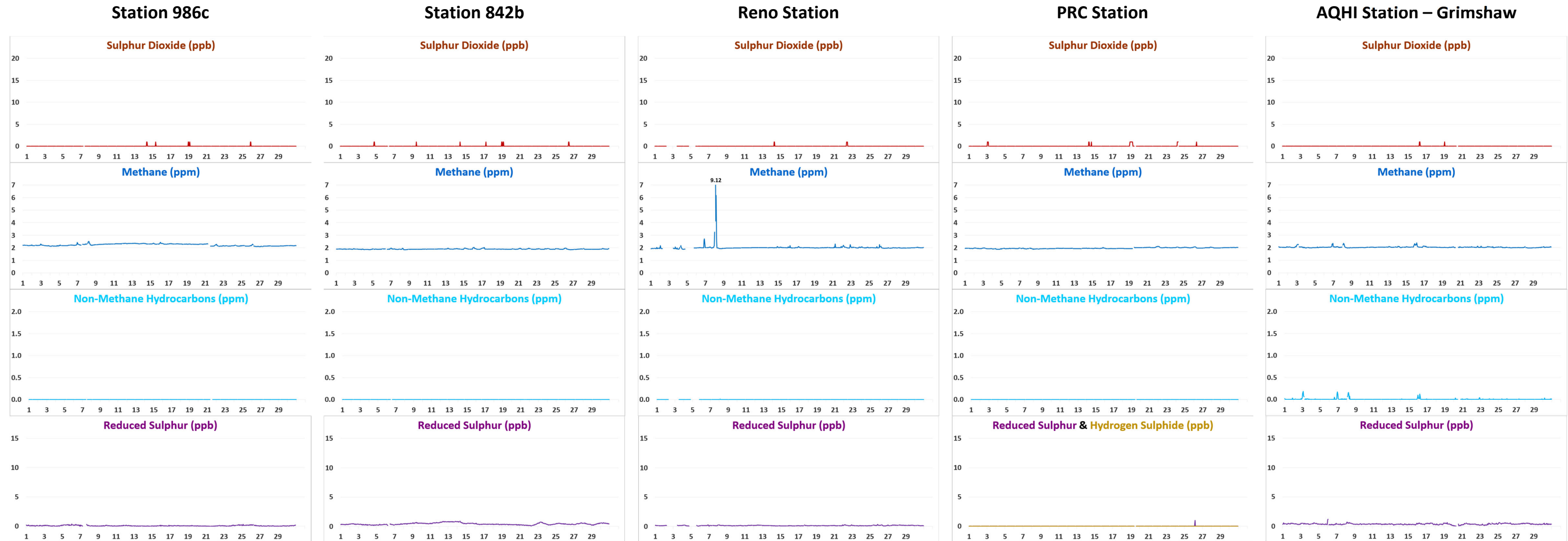


April 2022: Active Monitoring Program



Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the PRAMP [website](#))

986c Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

842b Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

Reno Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- From April 7 2022 (22:35) to April 8 2022 (05:15), there were several hours of elevated hydrocarbon concentrations (methane) measured at the Reno station. No canisters were triggered by this event. Wind was predominantly from the south at speeds less than 5km/h. Reno area operators indicate that no non-routine activities, loading, maintenance, cleaning, or upsets were occurring during this time that the elevated methane measurements were recorded.

PRC Station

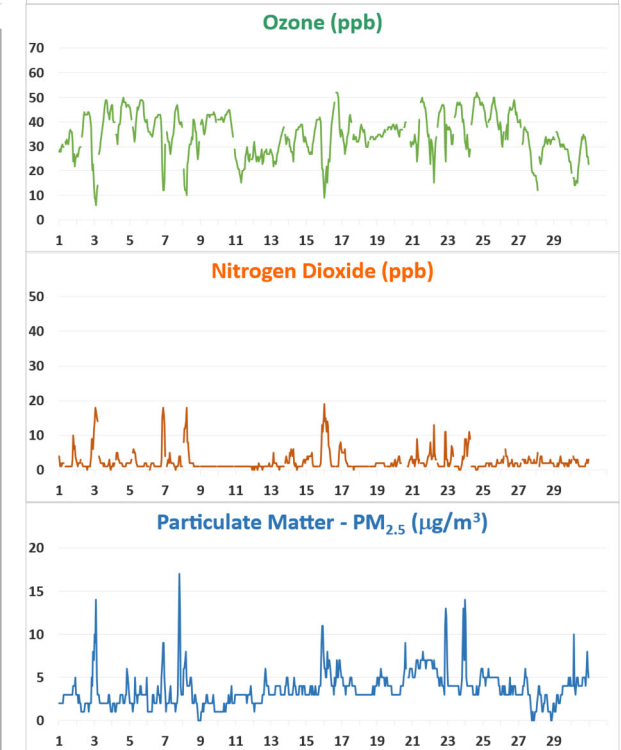
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

AQHI Station – Grimshaw

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

VOCs Canister Sampling Program

- No canisters were triggered for collection this month.
- Only the non-methane hydrocarbon triggered canister sampling program remains active; the methane triggered canister sampling program has been paused pending analysis of VOC data.



April 2022: Active Monitoring Program

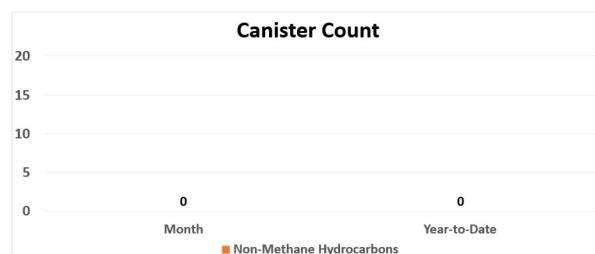
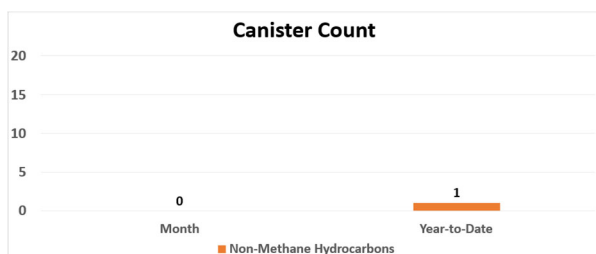
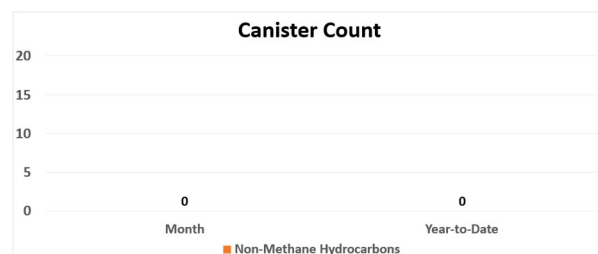
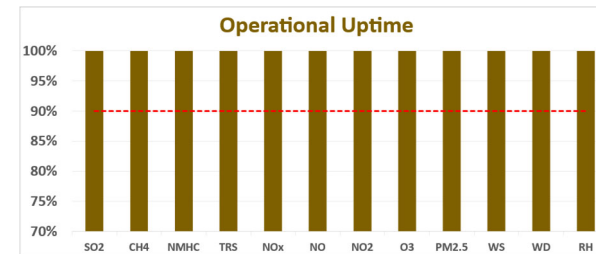
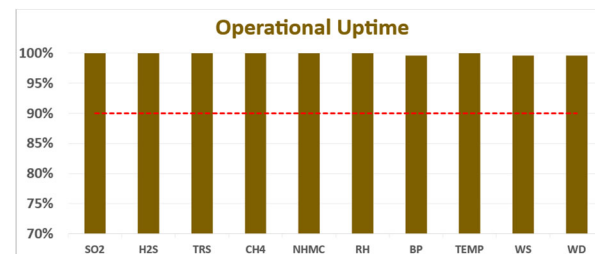
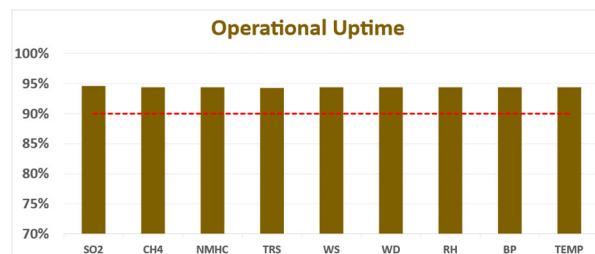
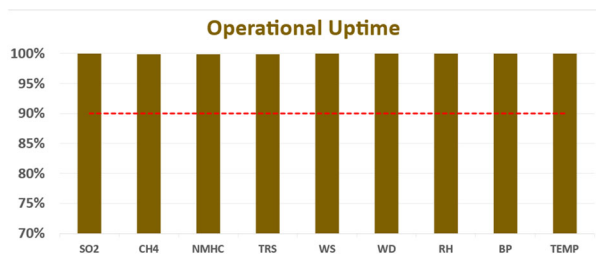
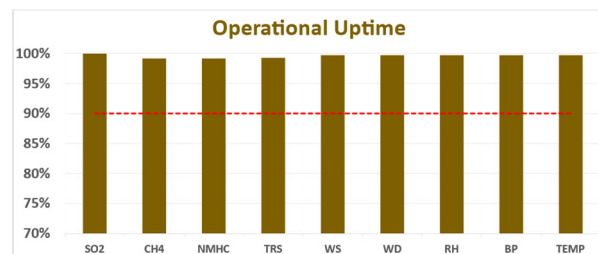
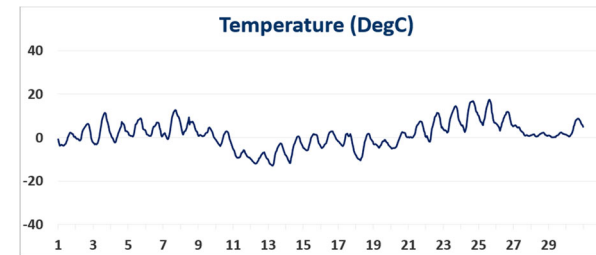
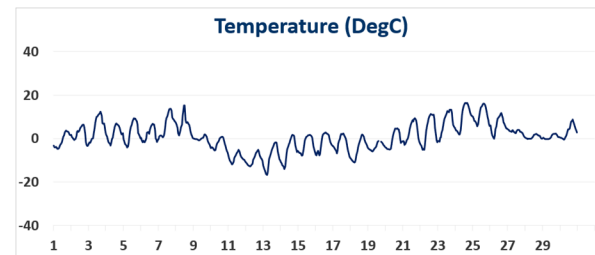
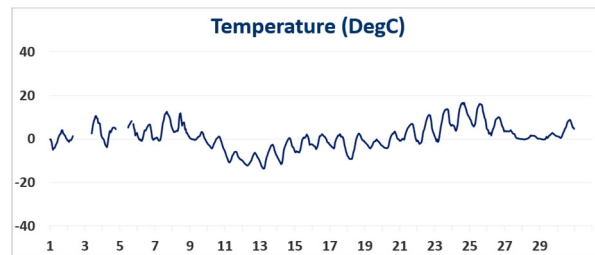
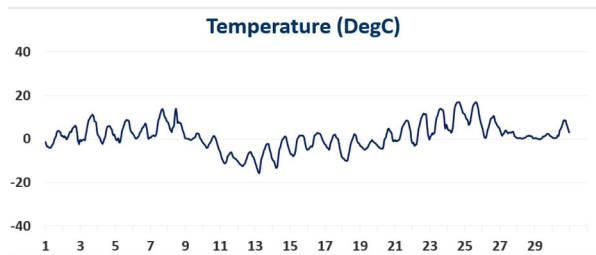
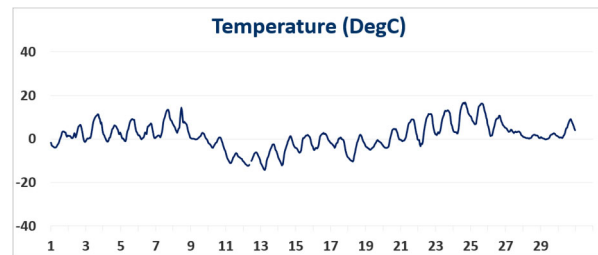
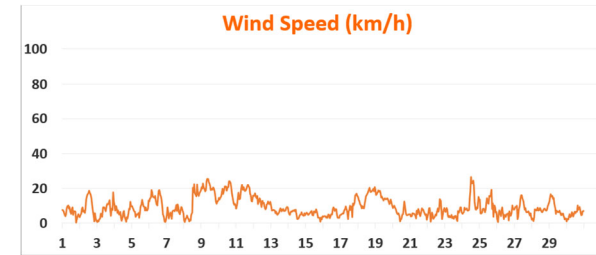
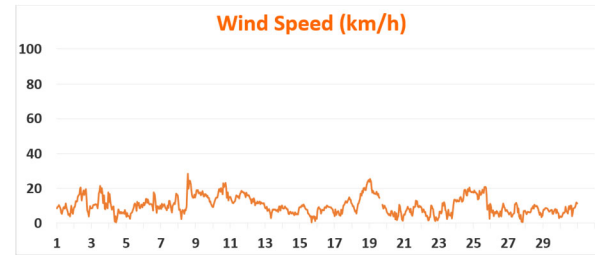
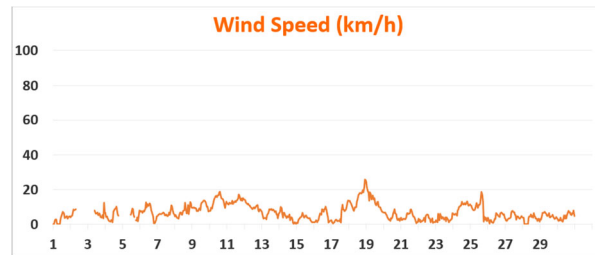
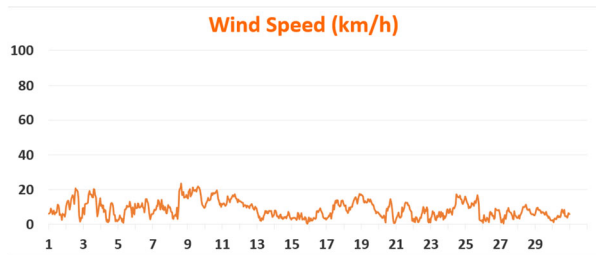
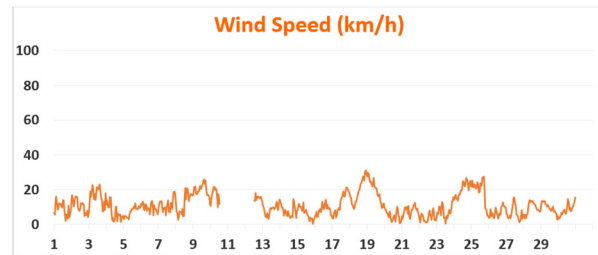
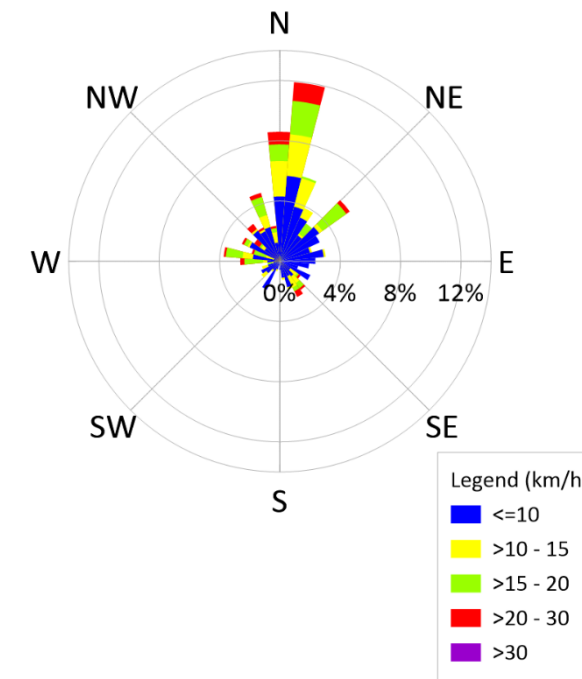
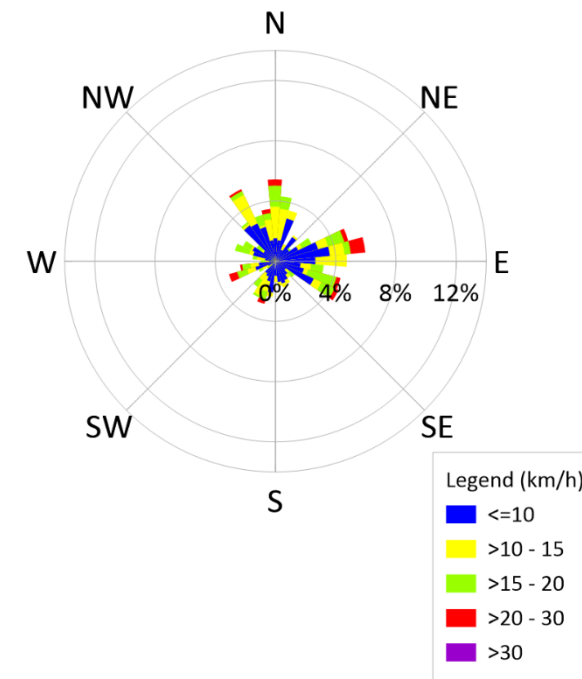
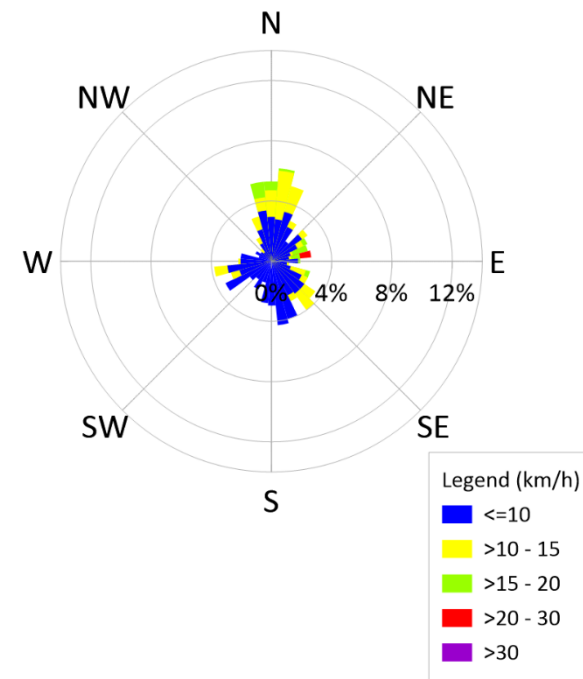
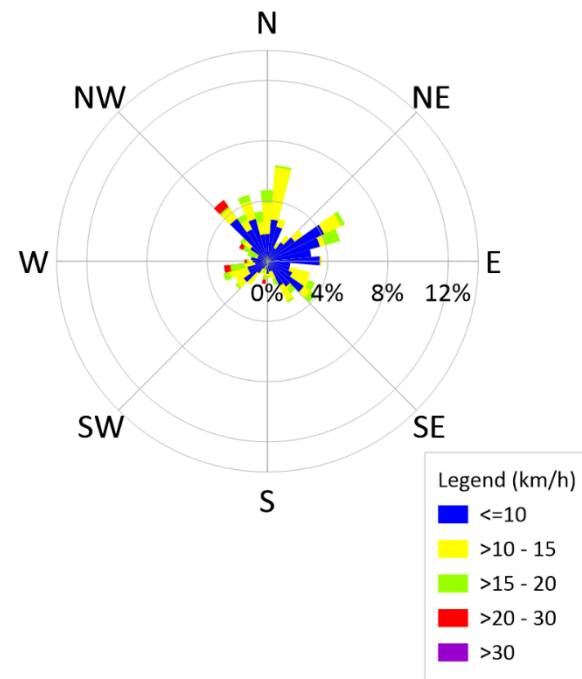
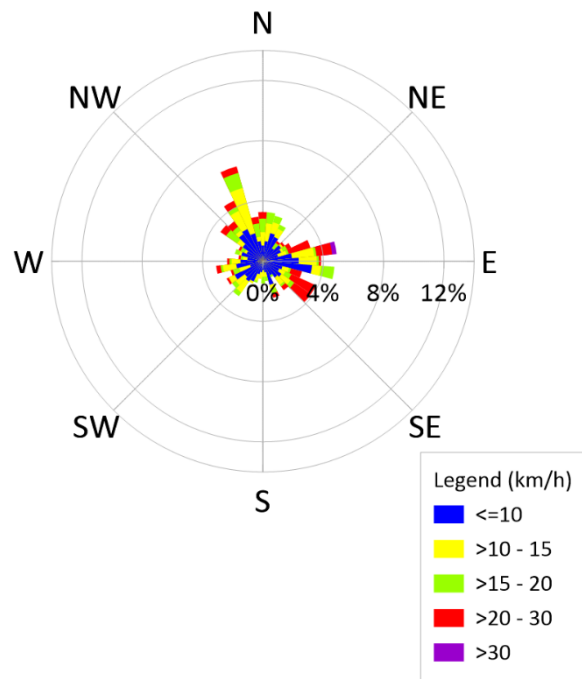
Station 986c

Station 842b

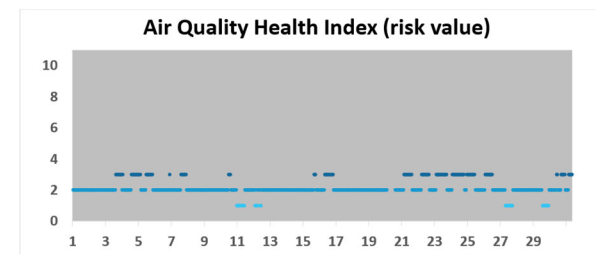
Reno Station

PRC Station

AQHI Station – Grimshaw



Targets, Guidelines, and Objectives
 Sulphur Dioxide 1h AAAQO = 172 ppb
 Ozone 1h AAAQO = 76 ppb
 Particulate Matter (PM_{2.5}) 1h AAAQO = 80 µg/m³
 Nitrogen Dioxide 1h AAAQO = 159 ppb
 Operational Uptime Requirement = 90%
 AQHI Risk Value = 1-3 Low, 4-6 Moderate, 7-10 High, >10 Very High



May 2022: Active Monitoring Program

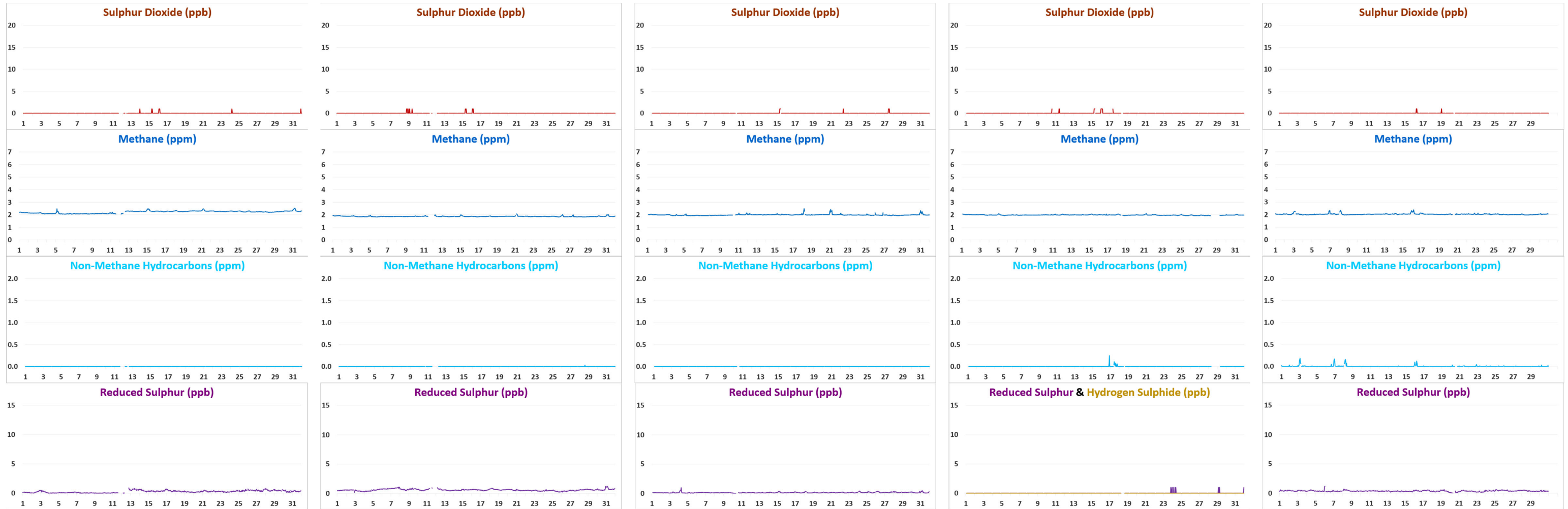
Station 986c

Station 842b

Reno Station

PRC Station

AQHI Station – Grimshaw



Field Operations Summary (detailed field operations notes can be found in the monthly technical reports on the [PRAMP website](#))

986c Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

842b Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

Reno Station

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.
- RH:** The probe failed on May 23 hour 7, and it was replaced on June 9 hour 10. 209 hours of downtime were recorded in May.

PRC Station

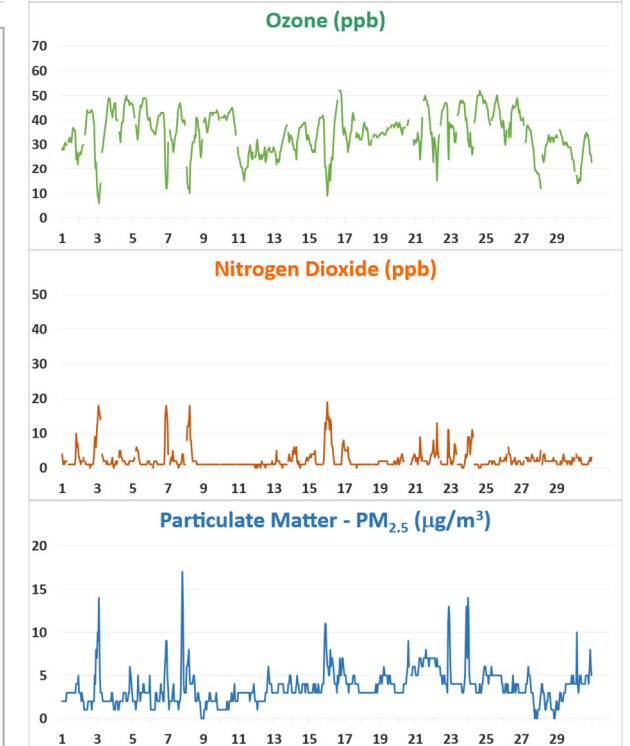
- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

AQHI Station – Grimshaw

- No major operational issues this month that resulted in reportable downtime events. Measured parameters were below Alberta Ambient Air Quality Objectives (AAAQOs) where applicable.

VOCs Canister Sampling Program

- A canister was triggered at PRAMP's 842b Station on May 28 at 14:15. The canister was triggered by a continuously monitored non-methane hydrocarbon concentration of 0.37 ppm (expressed as a 5-minute average). Wind was recorded coming from the west at a speed of 10 km/h.
- Only the non-methane hydrocarbon triggered canisters sampling program remains active; the methane triggered canister sampling program has been paused pending analysis of VOC data.



May 2022: Active Monitoring Program

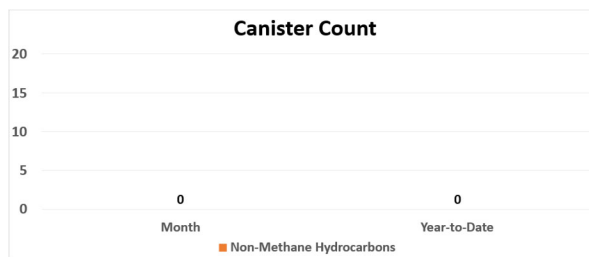
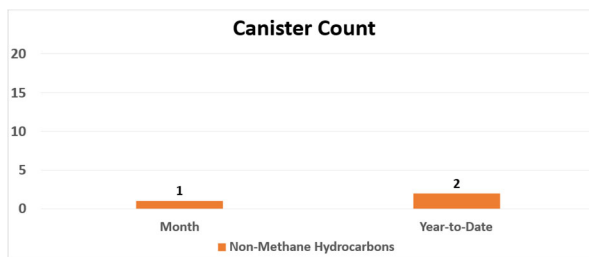
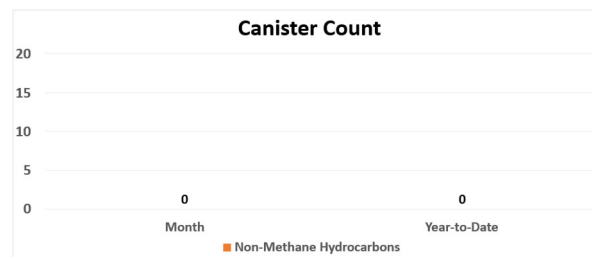
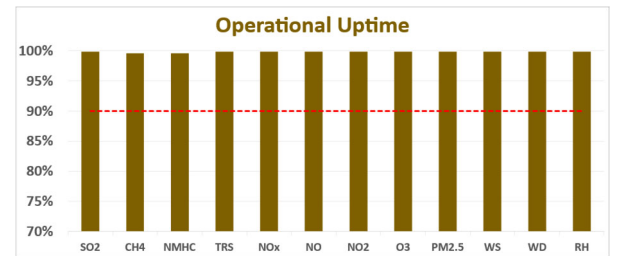
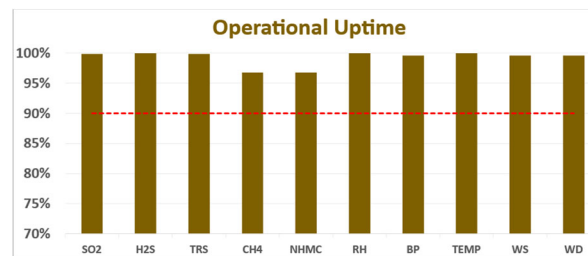
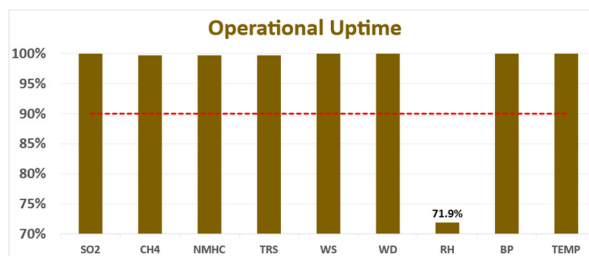
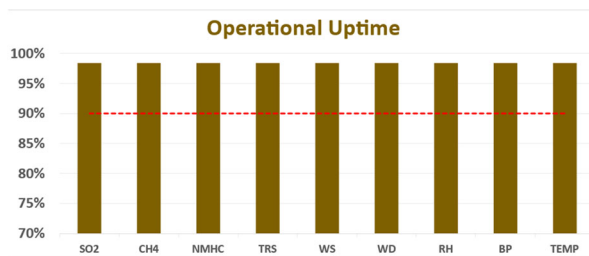
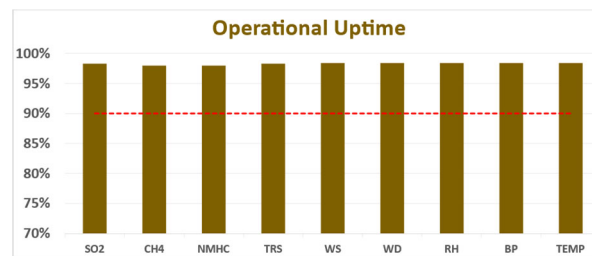
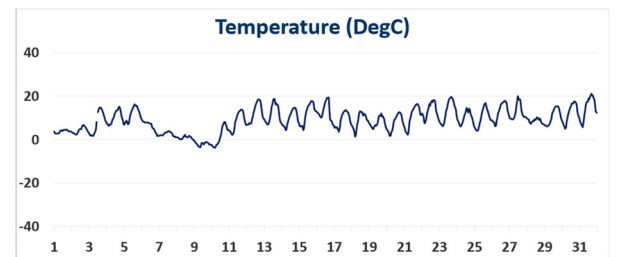
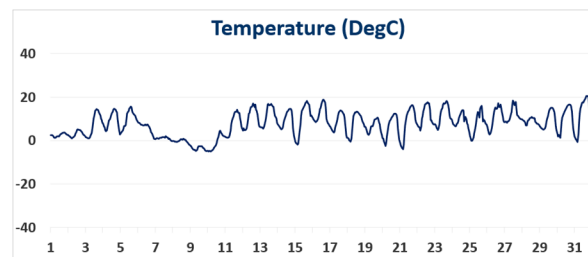
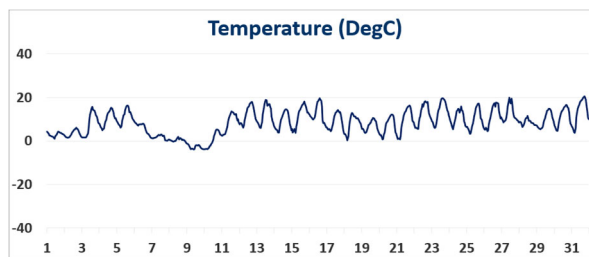
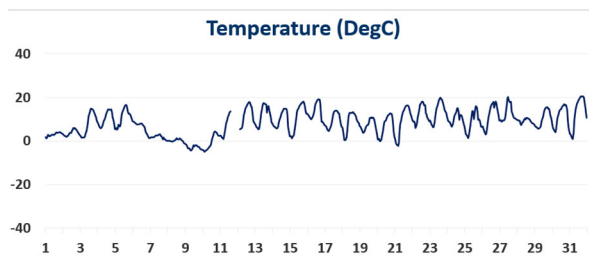
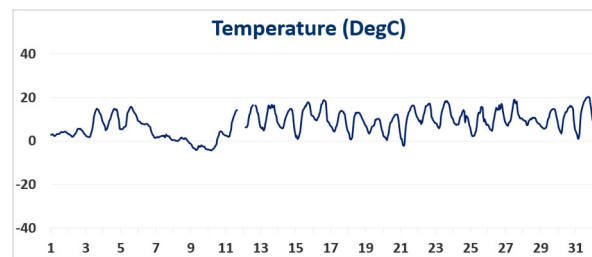
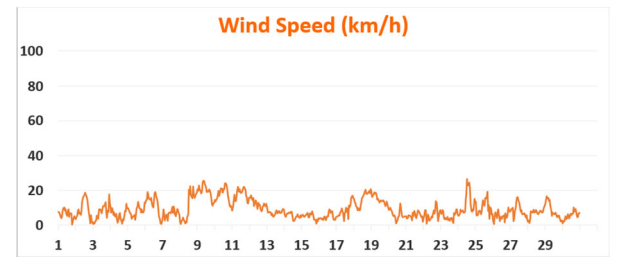
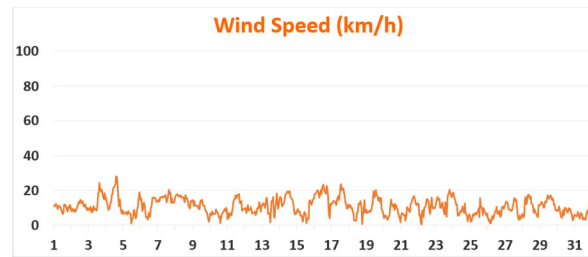
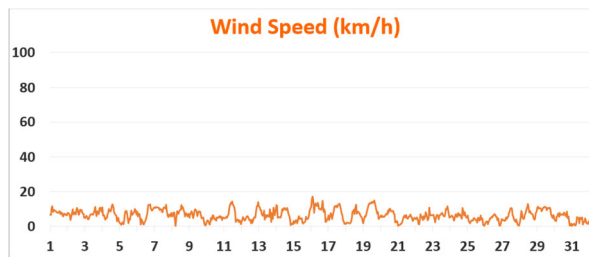
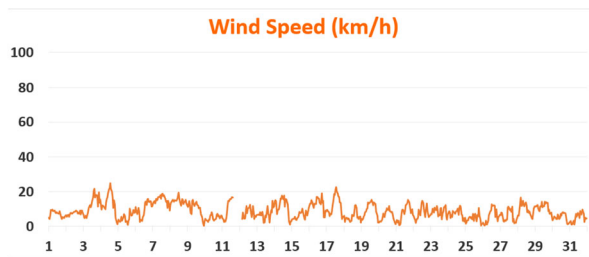
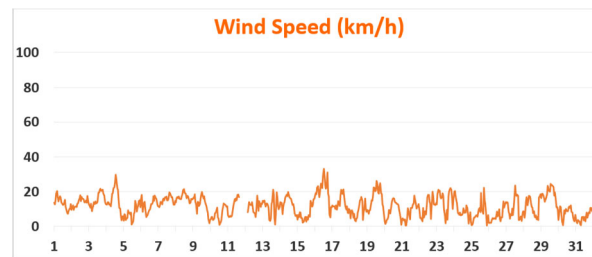
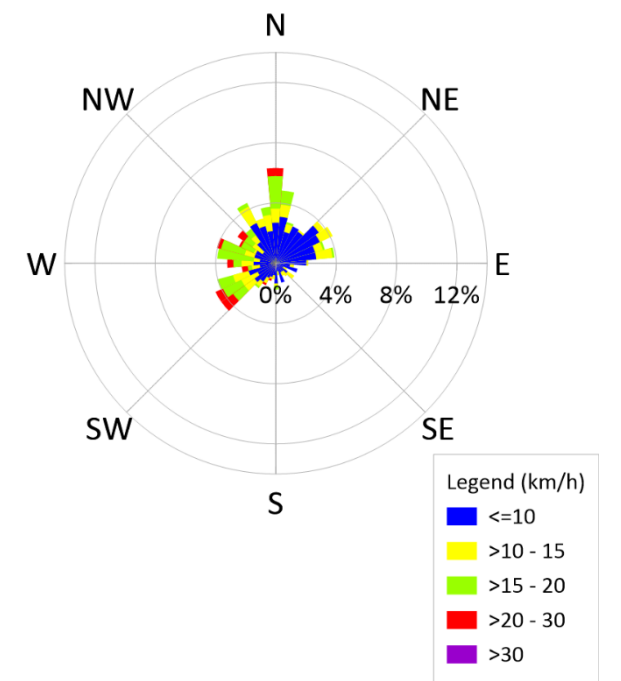
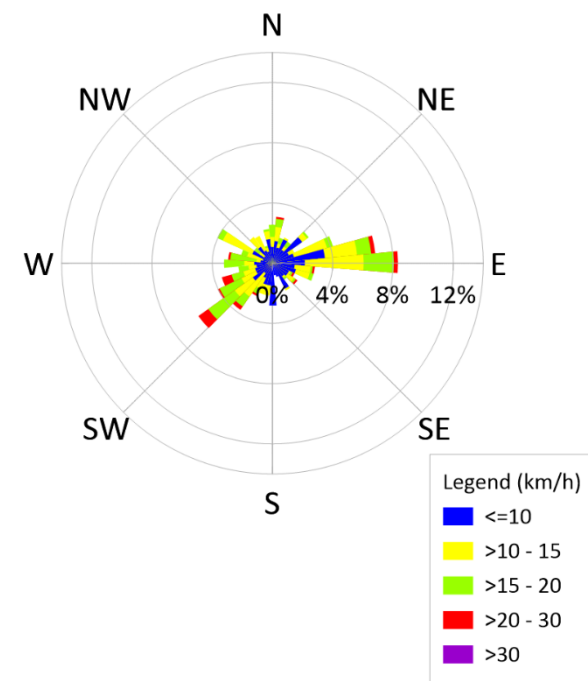
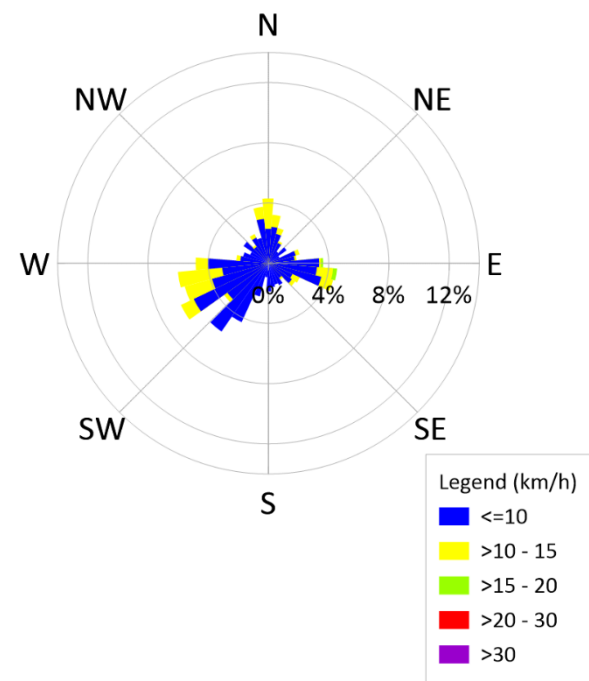
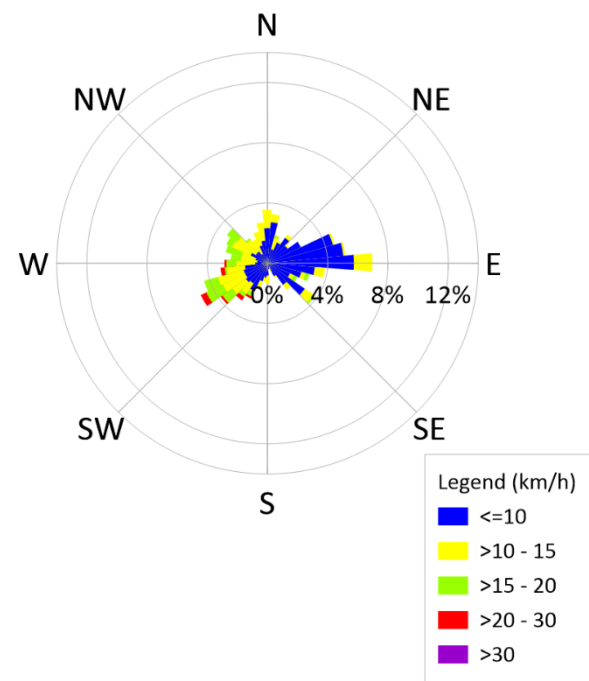
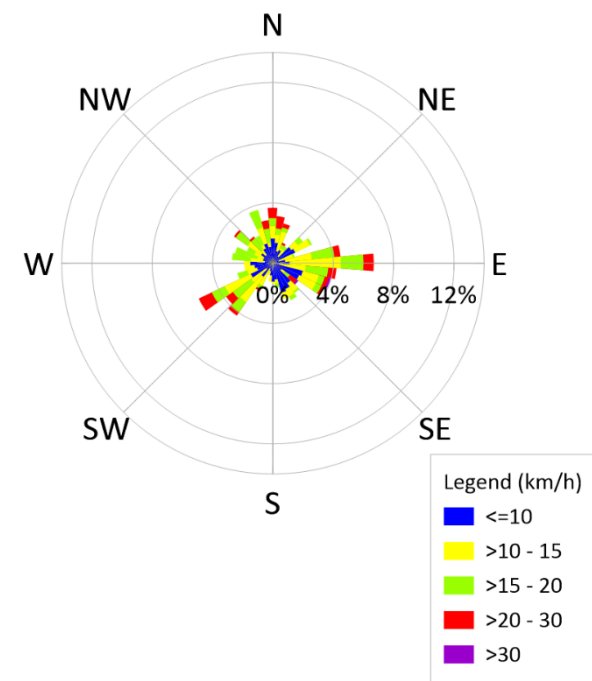
Station 986c

Station 842b

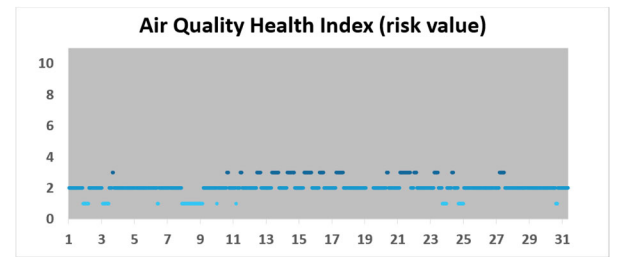
Reno Station

PRC Station

AQHI Station – Grimshaw



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1 2 3 4 5 6 7 8 9 10+
 LOW RISK MODERATE RISK HIGH RISK VERY HIGH RISK